

### **REMARKS**

The Applicant wishes to thank the Examiner for the detailed remarks. Claims 1, 5, 11, 12, 22, 23, 27, and 29 have been amended, and claims 4 and 16 has been cancelled. New claim 30 has been added. Accordingly, claims 1, 2, 5, 11-13, 15, and 22-30 are pending in the application.

Figure 4 was objected to as not having a legend labeling it Prior Art. Replacement Drawings are submitted herewith.

The specification was objected to because of several informalities. The Examiner objected to underlining the second line of the title and suggested changing paragraphs 2 and 27. Appropriate amendments have been made to correct these informalities.

The Examiner also objected to the specification because the paragraph numbers do not consist of at least four numerals. A clean replacement specification is submitted herewith that has paragraph numbers consisting of at least four numerals. For convenience, the amendments made to the specification in this response have been included in the clean copy.

The Examiner also objected to the specification as failing to provide proper antecedent basis for the claimed subject matter. Regarding the compressor being in fluid communication with the fan, an appropriate amendment has been made to paragraph 22 in the specification. Regarding the recitation in claim 12 that the motor includes at least one high modulus blade, claim 12 has been amended and does not recite "at least one."

Claims 22 and 27 were objected to because of several informalities and have been amended to correct the informalities.

Claims 1-2, 4-5, 11, 23-26, and 20-29 were rejected under 35 U.S.C. §102(b) as being anticipated by Shah. The Examiner argues that Shah discloses all the features of Applicant's claims, including the alloy compositions recited in claim 5. Amended claims 1, 23, and 29 recite that the base metal is a nickel-based alloy composition "comprising 1-16% Cr, 0-3% Mo, 3-13% W, 0-8% Re, 0-14% Ta, 3-7% Al, 0-20% Co, 0-0.1% C, 0-0.02% B, 0-0.1% Zr,

and 0-2% Hf, and at least one element selected from up to 2% Ti, up to 2% Nb, up to 1% V, up to 10% (Ru+Rh+Pd+Os+Ir+Pt), and up to 0.25% Y, and the balance Ni.” The Shah reference does not disclose a composition that includes Nb, V, Ru+Rh+Pd+Os+Ir+Pt, or Y. Therefore, Shah cannot anticipate Applicant’s claims.

Claims 1-2, 4, 11, and 23-25 were rejected under 35 U.S.C. §102(b) as being anticipated by Kington. As explained above, Applicant’s amended claims recite a certain composition. Since Kington does not disclose this composition, the rejection is moot. Respectfully, Applicant requests that the rejection be withdrawn.

Regarding claim 11, the amendment recites the feature of “recrystallized grains” and no longer recites a product-by-process. Since the cited references do not disclose this feature, Applicant respectfully requests that the rejection be withdrawn.

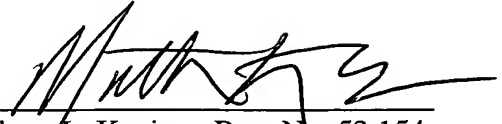
Claims 12, 13, 15, and 22 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kington in view of Howald. Also, claims 12, 13, 15, 16, 22, and 27 were rejected under 35 U.S.C. §103(a) as being unpatentable over Shah in view of Howald. Claim 12 recites the composition as explained above. The base references of Kington and Shah do not teach or suggest this composition. The teachings of Howald fail to correct this deficiency. Accordingly, Applicant respectfully requests that these rejections be withdrawn.

Regarding claim 22, the amendment recites the feature of “recrystallized grains” and no longer recites a product-by-process. Since the cited references do not teach or suggest this feature, Applicant respectfully requests that the rejection be withdrawn.

Fees for one additional dependent claim may be charged to Deposit Account No. 21-0279 in the name of United Technologies Corporation. Applicant believes that no additional

fees are necessary, however, the Commissioner is authorized to charge the same Deposit Account for any additional fees or credit the account for any overpayment.

Respectfully submitted,



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Dated: November 14, 2006

**CERTIFICATE OF MAIL**

I hereby certify that the enclosed Response is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 14<sup>th</sup> day of November, 2006.



Laura Combs